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|      |    |      |              |          |    |
|------|----|------|--------------|----------|----|
| MM   |    | MM   | AAAAAA       | PPPPPPPP |    |
| MM   |    | MM   | AAAAAA       | PPPPPPPP |    |
| MMMM |    | MMMM | AA           | PP       | PP |
| MMMM |    | MMMM | AA           | PP       | PP |
| MM   | MM | MM   | AA           | PP       | PP |
| MP   | MM | MM   | AA           | PP       | PP |
| MM   |    | MM   | AA           | PPPPPPPP |    |
| MM   |    | MM   | AA           | PPPPPPPP |    |
| MM   |    | MM   | AAAAAAAAAAAA | PP       |    |
| MM   |    | MM   | AAAAAAAAAAAA | PP       |    |
| MM   |    | MM   | AA           | PP       |    |
| MM   |    | MM   | AA           | PP       |    |
| MM   |    | MM   | AA           | PP       |    |
| MM   |    | MM   | AA           | PP       |    |

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! Object Module Synopsis !  
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| Module Name            | Ident   | Bytes | File                                   | Creation Date     | Creator                  |
|------------------------|---------|-------|--|-------------------|--------------------------|
| DIRECTORY              | V04-000 | 6638  | -\$255\$DUA28:[DIR.OBJ]DIRECTORY.OLB;1 | 15-SEP-1984 23:38 | VAX-11 Bliss-32 V4.0-742 |
| DISPLAY                | V04-000 | 10864 | -\$255\$DUA28:[DIR.OBJ]DIRECTORY.OLB;1 | 15-SEP-1984 23:42 | VAX-11 Bliss-32 V4.0-742 |
| DIRECTMSG              | V04-000 | 4415  | -\$255\$DUA28:[DIR.OBJ]DIRECTORY.OLB;1 | 15-SEP-1984 23:38 | VAX-11 Message V04-00    |
| CVTIME                 | V04-000 | 996   | -\$255\$DUA28:[SYSOBJ]CLIUTL.OLB;1     | 15-SEP-1984 23:39 | VAX/VMS Macro V04-00     |
| LIB\$CVT_ATB           | V04-000 | 122   | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 02:17 | VAX/VMS Macro V04-00     |
| LIB\$FILESCAN          | V03-024 | 2052  | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 00:52 | VAX-11 Bliss-32 V4.0-742 |
| LIB\$FIND_IMAGE        | V03-006 | 1234  | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 00:56 | VAX-11 Bliss-32 V4.0-742 |
| LIB\$EF                | 1-006   | 217   | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 15-SEP-1984 23:59 | VAX/VMS Macro V04-00     |
| LIB\$VM                | 2-046   | 676   | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 01:20 | VAX-11 Bliss-32 V4.0-742 |
| LIB\$BINARY_TREE       | 1-001   | 564   | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 00:38 | VAX-11 Bliss-32 V4.0-742 |
| LIB\$READ_OBJECT       | V03-004 | 1833  | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 01:09 | VAX-11 Bliss-32 V4.0-742 |
| LIB\$SCOPY             | 1-018   | 1269  | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 01:14 | VAX-11 Bliss-32 V4.0-742 |
| LIB\$SIGNAL            | 1-018   | 220   | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 00:18 | VAX/VMS Macro V04-00     |
| LIB\$MSGDEF            | 2-018   | 0     | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 15-SEP-1984 23:43 | VAX-11 Message V04-00    |
| STR\$ALLOC             | 1-012   | 498   | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 01:26 | VAX-11 Bliss-32 V4.0-742 |
| STR\$MOVQ              | 1-003   | 4     | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 00:35 | VAX/VMS Macro V04-00     |
| STR\$GET_FREE          | 1-012   | 1049  | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 01:39 | VAX-11 Bliss-32 V4.0-742 |
| STR\$UPCASE            | 1-006   | 363   | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 01:51 | VAX-11 Bliss-32 V4.0-742 |
| STR\$MSGDEF            | 2-005   | 0     | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 15-SEP-1984 23:44 | VAX-11 Message V04-00    |
| LIB\$ANALYZE_SDESC     | 1-003   | 101   | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 15-SEP-1984 23:47 | VAX/VMS Macro V04-00     |
| STR\$ANALYZE_SDESC     | 1-004   | 97    | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 00:34 | VAX/VMS Macro V04-00     |
| STR\$COPY              | 1-015   | 672   | -\$255\$DUA28:[SYSOBJ]LIBRTL.OLB;1     | 16-SEP-1984 01:35 | VAX-11 Bliss-32 V4.0-742 |
| COMMON_FILE_QUALIFIERS | V04-000 | 2915  | -\$255\$DUA28:[SYSLIB]SYSBLDLIB.OLB;1  | 16-SEP-1984 02:23 | VAX-11 Bliss-32 V4.0-742 |
| MATCH                  | V04-000 | 698   | -\$255\$DUA28:[SYSLIB]SYSBLDLIB.OLB;1  | 16-SEP-1984 02:18 | VAX/VMS Macro V04-00     |
| MATCHNAME              | V04-000 | 72    | -\$255\$DUA28:[SYSLIB]SYSBLDLIB.OLB;1  | 16-SEP-1984 02:18 | VAX/VMS Macro V04-00     |
| CLIS\$INTERFACE        | V04-000 | 516   | -\$255\$DUA28:[SYSLIB]STARLET.OLB;2    | 16-SEP-1984 00:32 | VAX-11 Bliss-32 V4.0-742 |
| CLIS\$GLOBALS          | V04-000 | 0     | -\$255\$DUA28:[SYSLIB]STARLET.OLB;2    | 15-SEP-1984 23:38 | VAX/VMS Macro V04-00     |
| LIB\$GET_INPUT         | 1-015   | 644   | -\$255\$DUA28:[SYSLIB]STARLET.OLB;2    | 16-SEP-1984 01:00 | VAX-11 Bliss-32 V4.0-742 |
| LIB\$SIG_TO_RET        | 1-011   | 39    | -\$255\$DUA28:[SYSLIB]STARLET.OLB;2    | 16-SEP-1984 01:13 | VAX-11 Bliss-32 V4.0-742 |
| LIB\$PARSE             | V04-000 | 1735  | -\$255\$DUA28:[SYSLIB]STARLET.OLB;2    | 16-SEP-1984 02:20 | VAX-11 Bliss-32 V4.0-742 |
| SYSP1_VECTOR           | V04-000 | 0     | -\$255\$DUA28:[SYSLIB]STARLET.OLB;2    | 16-SEP-1984 00:40 | VAX/VMS Macro V04-00     |



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! Image Section Synopsis !  
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| Cluster         | Type | Pages | Base Addr  | Disk VBN | PFC | Protection and Paging    | Global Sec. Name | Match | Majorid | Minorid |
|-----------------|------|-------|------------|----------|-----|--------------------------|------------------|-------|---------|---------|
| DEFAULT_CLUSTER | 0    | 7     | 00000200   | 2        | 0   | READ WRITE COPY ON REF   |                  |       |         |         |
|                 | 0    | 60    | 00001000   | 9        | 0   | READ ONLY                |                  |       |         |         |
|                 | 0    | 9     | P-00008800 | 69       | 0   | READ ONLY                |                  |       |         |         |
|                 | 0    | 1     | 00009A00   | 78       | 0   | READ WRITE FIXUP VECTORS |                  |       |         |         |
|                 | 253  | 20    | 7FFFD800   | 0        | 0   | READ WRITE DEMAND ZERO   |                  |       |         |         |

Key for special characters above:

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! R - Relocatable !  
! P - Protected !  
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! Program Section Synopsis !  
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| Psect Name    | Module Name            | Base     | End      | Length     | Align          | Attributes                                       |
|---------------|------------------------|----------|----------|------------|----------------|--|
| \$OWNS        | DIRECTORY              | 00000200 | 000004F7 | 000002F8 ( | 760.) LONG 2   | NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC |
|               | DISPLAY                | 00000200 | 000004B2 | 000002B3 ( | 691.) LONG 2   |  |
|               |                        | 000004B4 | 000004F7 | 00000044 ( | 68.) LONG 2    |  |
| DIR\$COMMON   | DIRECTORY              | 000004F8 | 00000D6B | 00000874 ( | 2164.) BYTE 0  | NOPIC,USR,OVR,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC |
|               | DISPLAY                | 000004F8 | 00000D6B | 00000874 ( | 2164.) BYTE 0  |  |
|               |                        | 000004F8 | 00000D6B | 00000874 ( | 2164.) BYTE 0  |  |
| _LIB\$DATA    | LIB\$FIND_IMAGE        | 00000D6C | 00000DC7 | 0000005C ( | 92.) LONG 2    | PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC   |
|               | LIB\$EF                | 00000D6C | 00000D6F | 00000004 ( | 4.) LONG 2     |  |
|               | LIB\$VM                | 00000D70 | 00000D77 | 00000008 ( | 8.) LONG 2     |  |
|               | LIB\$READ_OBJECT       | 00000D78 | 00000DB7 | 00000040 ( | 64.) LONG 2    |  |
|               | LIB\$ANALYZE_SDESC     | 00000DB8 | 00000DC3 | 0000000C ( | 12.) LONG 2    |  |
|               | LIB\$GET_INPUT         | 00000DC4 | 00000DC4 | 00000000 ( | 0.) LONG 2     |  |
|               |                        | 00000DC4 | 00000DC7 | 00000004 ( | 4.) LONG 2     |  |
| _STR\$DATA    | STR\$ALLOC             | 00000DC8 | 00000EC3 | 000000FC ( | 252.) LONG 2   | PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC   |
|               | STR\$ANALYZE_SDESC     | 00000DC8 | 00000EC3 | 000000FC ( | 252.) LONG 2   |  |
|               |                        | 00000EC4 | 00000EC4 | 00000000 ( | 0.) LONG 2     |  |
| \$CODE        | COMMON_FILE_QUALIFIERS | 00001000 | 00001E12 | 00000E13 ( | 3603.) LONG 2  | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC    |
|               | MATCH                  | 00001000 | 00001B58 | 00000B59 ( | 2905.) LONG 2  |  |
|               |                        | 00001B59 | 00001E12 | 000002BA ( | 698.) BYTE 0   |  |
| \$CODE\$      | DIRECTORY              | 00001E14 | 000046DF | 000028CC ( | 10444.) LONG 2 | NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC |
|               | DISPLAY                | 00001E14 | 0000293A | 00000B27 ( | 2855.) LONG 2  |  |
|               | CLIS\$INTERFACE        | 0000293C | 000044DB | 00001BA0 ( | 7072.) LONG 2  |  |
|               |                        | 000044DC | 000046DF | 00000204 ( | 516.) LONG 2   |  |
| \$PLITS       | DIRECTORY              | 000046E0 | 00005097 | 000009B8 ( | 2488.) LONG 2  | NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC |
|               | DISPLAY                | 000046E0 | 00004A7F | 000003A0 ( | 928.) LONG 2   |  |
|               |                        | 00004A80 | 00005097 | 00000618 ( | 1560.) LONG 2  |  |
| _CNVCLI_CODE  | CVTTIME                | 00005098 | 000053EF | 00000358 ( | 856.) LONG 2   | NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC |
|               |                        | 00005098 | 000053EF | 00000358 ( | 856.) LONG 2   |  |
| _CNVCLI_STATE | CVTTIME                | 000053F0 | 0000547B | 0000008C ( | 140.) BYTE 0   | NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC |
|               |                        | 000053F0 | 0000547B | 0000008C ( | 140.) BYTE 0   |  |
| _LIB\$CODE    | LIB\$CVT_ATB           | 0000547C | 00007D9E | 00002923 ( | 10531.) LONG 2 | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC    |
|               | LIB\$FILESCAN          | 0000547C | 000054F5 | 0000007A ( | 122.) LONG 2   |  |
|               | LIB\$FIND_IMAGE        | 000054F8 | 00005CFB | 00000804 ( | 2052.) LONG 2  |  |
|               | LIB\$EF                | 00005CFC | 000061C9 | 000004CE ( | 1230.) LONG 2  |  |
|               |                        | 000061CC | 0000629C | 000000D1 ( | 209.) LONG 2   |  |



| Psect Name          | Module Name            | Base     | End      | Length     | Align          | Attributes                                     |
|---------------------|------------------------|----------|----------|------------|----------------|--|
| _LIB\$CODE          | LIB\$VM                | 0000547C | 00007D9E | 00002923 ( | 10531.) LONG 2 | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC  |
|                     | LIB\$BINARY_TREE       | 000062A0 | 00006503 | 00000264 ( | 612.) LONG 2   |  |
|                     | LIB\$READ_OBJECT       | 00006504 | 00006737 | 00000234 ( | 564.) LONG 2   |  |
|                     | LIB\$SCOPY             | 00006738 | 00006E54 | 0000071D ( | 1821.) LONG 2  |  |
|                     | LIB\$SIGNAL            | 00006E58 | 0000734C | 000004F5 ( | 1269.) LONG 2  |  |
|                     | LIB\$ANALYZE_SDESC     | 00007350 | 0000742B | 000000DC ( | 220.) LONG 2   |  |
|                     | MATCHNAME              | 0000742C | 00007490 | 00000065 ( | 101.) LONG 2   |  |
|                     | LIB\$GET_INPUT         | 00007491 | 000074D8 | 00000048 ( | 72.) BYTE 0    |  |
|                     | LIB\$SIG_TO_RET        | 000074DC | 0000775B | 00000280 ( | 640.) LONG 2   |  |
|                     | LIB\$TPARSE            | 0000775C | 00007782 | 00000027 ( | 39.) LONG 2    |  |
|                     | LIB\$TPARSE            | 00007784 | 00007D9E | 0000061B ( | 1563.) LONG 2  |  |
| _LIB\$KEYOS         | COMMON_FILE_QUALIFIERS | 00007DA0 | 00007DA0 | 00000000 ( | 0.) WORD 1     | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC  |
|                     |                        | 00007DA0 | 00007DA0 | 00000000 ( | 0.) WORD 1     |  |
| _LIB\$PARSE_KEYO    | LIB\$TPARSE            | 00007DA0 | 00007DA0 | 00000000 ( | 0.) WORD 1     | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC  |
|                     |                        | 00007DA0 | 00007DA0 | 00000000 ( | 0.) WORD 1     |  |
| _LIB\$PARSE_STATE   | LIB\$TPARSE            | 00007DA0 | 00007E4B | 000000AC ( | 172.) WORD 1   | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC  |
|                     |                        | 00007DA0 | 00007E4B | 000000AC ( | 172.) WORD 1   |  |
| _LIB\$STATES        | COMMON_FILE_QUALIFIERS | 00007E4C | 00007E55 | 0000000A ( | 10.) WORD 1    | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC  |
|                     |                        | 00007E4C | 00007E55 | 0000000A ( | 10.) WORD 1    |  |
| _STR\$CODE          | STR\$ALLOC             | 00007E58 | 000087DF | 00000988 ( | 2440.) LONG 2  | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC  |
|                     | STR\$MCVQ              | 00007E58 | 00007F4D | 000000F6 ( | 246.) LONG 2   |  |
|                     | STR\$GET_FREE          | 00007F50 | 00007F53 | 00000004 ( | 4.) LONG 2     |  |
|                     | STR\$UPCASE            | 00007F54 | 0000836C | 00000419 ( | 1049.) LONG 2  |  |
|                     | STR\$ANALYZE_SDESC     | 00008370 | 000084DA | 0000016B ( | 363.) LONG 2   |  |
|                     | STR\$COPY              | 000084DC | 0000853C | 00000061 ( | 97.) LONG 2    |  |
|                     |                        | 00008540 | 000087DF | 000002A0 ( | 672.) LONG 2   |  |
| MSG\$AAAAAAAAAAAA   | DIRECTMSG              | 00008800 | 0000880F | 00000010 ( | 16.) LONG 2    | PIC,USR,OVR,REL,LCL,NOSHR,NOEXE, RD,NOWRT, VEC |
|                     |                        | 00008800 | 0000880F | 00000010 ( | 16.) LONG 2    |  |
| MSG\$AAAAAAAAAAAAAB | DIRECTMSG              | 00008810 | 00008813 | 00000004 ( | 4.) LONG 2     | PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT, VEC |
|                     |                        | 00008810 | 00008813 | 00000004 ( | 4.) LONG 2     |  |
| MSG\$AAAAAAAAAAAAAC | DIRECTMSG              | 00008814 | 00008817 | 00000004 ( | 4.) LONG 2     | PIC,USR,OVR,REL,LCL,NOSHR,NOEXE, RD,NOWRT, VEC |
|                     |                        | 00008814 | 00008817 | 00000004 ( | 4.) LONG 2     |  |
| MSG\$SECTION        | DIRECTMSG              | 00008818 | 0000993E | 00001127 ( | 4391.) BYTE 0  | PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT, VEC |
|                     |                        | 00008818 | 0000993E | 00001127 ( | 4391.) BYTE 0  |  |

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! Symbol Cross Reference !  
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| Symbol             | Value      | Defined By             | Referenced By ...                |
|--------------------|------------|------------------------|----------------------------------|
| CLISDCL_PARSE      | 000045AB-R | CLISINTERFACE          |                                  |
| CLISDISPATCH       | 0000465C-R | CLISINTERFACE          |                                  |
| CLISGET_VALUE      | 0000451F-R | CLISINTERFACE          | COMMON_FILE_QUALIFIERS DIRECTORY |
| CLISNEXT_QUAL      | 0000469D-R | CLISINTERFACE          |                                  |
| CLISPRESNT         | 000044DC-R | CLISINTERFACE          | COMMON_FILE_QUALIFIERS DIRECTORY |
| CLIS_ABSENT        | 000381F0   | CLISGLOBALS            |                                  |
| CLIS_COMMA         | 0003FD39   | CLISGLOBALS            | CLISINTERFACE                    |
| CLIS_CONCAT        | 0003FD29   | CLISGLOBALS            | CLISINTERFACE                    |
| CLIS_CONFQUAL      | 000312E4   | COMMON_FILE_QUALIFIERS |                                  |
| CLIS_DEFAULTED     | 0003FD21   | CLISGLOBALS            | CLISINTERFACE DIRECTORY          |
| CLIS_INVQUAVAL     | 0003132C   | COMMON_FILE_QUALIFIERS |                                  |
| CLIS_LOCNEG        | 00038230   | CLISGLOBALS            | CLISINTERFACE                    |
| CLIS_LOCPRES       | 0003FD31   | CLISGLOBALS            | CLISINTERFACE                    |
| CLIS_NEGATED       | 000381F8   | CLISGLOBALS            | CLISINTERFACE DIRECTORY          |
| CLIS_NOCOMD        | 00038060   | CLISGLOBALS            | CLISINTERFACE                    |
| CLIS_NOSUCHID      | 0003135C   | COMMON_FILE_QUALIFIERS |                                  |
| CLIS_PRESENT       | 0003FD19   | CLISGLOBALS            | CLISINTERFACE                    |
| CLIS_QUALMISS      | 00031344   | COMMON_FILE_QUALIFIERS |                                  |
| CQ_UTC_KEYS        | 00007DA0-R | COMMON_FILE_QUALIFIERS |                                  |
| CQ_UTC_STATES      | 00007E4C-R | COMMON_FILE_QUALIFIERS |                                  |
| DCLSSCOPY DXDX     | 00000000   |                        | WK-CVTTIME                       |
| DIR\$APPEND        | 00004469-R | DISPLAY                |                                  |
| DIR\$FILE_ERROR    | 000027F0-R | DIRECTORY              | DISPLAY                          |
| DIR\$GET_INFO      | 0000293C-R | DISPLAY                | DIRECTORY                        |
| DIR\$GRAND_TOTAL   | 0000439D-R | DISPLAY                | DIRECTORY                        |
| DIR\$INPUT_ERROR   | 000027CF-R | DIRECTORY              |                                  |
| DIR\$OUTPUT        | 0000288F-R | DIRECTORY              | DISPLAY                          |
| DIR\$TOTAL         | 000042FA-R | DISPLAY                | DIRECTORY                        |
| DIR\$_AIJNLNAME    | 0079821B   | DIRECTMSG              | DISPLAY                          |
| DIR\$_ATJNLNAME    | 0079822B   | DIRECTMSG              | DISPLAY                          |
| DIR\$_BIJNLNAME    | 0079820B   | DIRECTMSG              | DISPLAY                          |
| DIR\$_BUCKETSIZ    | 007980F3   | DIRECTMSG              | DISPLAY                          |
| DIR\$_CRCARCTL     | 007981D3   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRBADACL | 0079814B   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRBADBLK | 0079815B   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRCTB    | 0079811B   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRCTG    | 00798113   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRDIR    | 00798153   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRERASE  | 0079816B   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRLCK    | 00798123   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRNOBAK  | 0079812B   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRNOCHRG | 00798163   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRRDCHK  | 0079813B   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRWBAK   | 00798133   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILATRWCHK   | 00798143   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILEACL      | 00798263   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILEATTR     | 007980E3   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILEORG      | 007980AB   | DIRECTMSG              | DISPLAY                          |
| DIR\$_FILEPROT     | 0079823B   | DIRECTMSG              | DISPLAY                          |



| Symbol           | Value    | Defined By | Referenced By ... |
|------------------|----------|------------|-------------------|
| DIRS_FILORGIDX   | 007980C3 | DIRECTMSG  | DISPLAY           |
| DIRS_FILORGREL   | 007980BB | DIRECTMSG  | DISPLAY           |
| DIRS_FILORGSEQ   | 007980B3 | DIRECTMSG  | DISPLAY           |
| DIRS_FILORGUNK   | 007980DB | DIRECTMSG  | DISPLAY           |
| DIRS_FTNCARCTL   | 007981DB | DIRECTMSG  | DISPLAY           |
| DIRS_FULLBAKDAT  | 007980A3 | DIRECTMSG  | DISPLAY           |
| DIRS_FULLCREDAT  | 00798073 | DIRECTMSG  | DISPLAY           |
| DIRS_FULLEXPDAT  | 00798093 | DIRECTMSG  | DISPLAY           |
| DIRS_FULLFILEID  | 00798043 | DIRECTMSG  | DISPLAY           |
| DIRS_FULLOWNERID | 0079805B | DIRECTMSG  | DISPLAY           |
| DIRS_FULLOWNERUI | 00798063 | DIRECTMSG  | DISPLAY           |
| DIRS_FULLREVDAT  | 00798083 | DIRECTMSG  | DISPLAY           |
| DIRS_FULLSIZE    | 00798053 | DIRECTMSG  | DISPLAY           |
| DIRS_GBLBUFCNT   | 007980FB | DIRECTMSG  | DISPLAY           |
| DIRS_GRPPTOT     | 00798253 | DIRECTMSG  | DISPLAY           |
| DIRS_GTOTNOSIZ   | 007982AB | DIRECTMSG  | DISPLAY           |
| DIRS_GTOTNOSIZ1  | 007982B3 | DIRECTMSG  | DISPLAY           |
| DIRS_GTOTSIZ     | 0079829B | DIRECTMSG  | DISPLAY           |
| DIRS_GTOTSIZ1    | 007982A3 | DIRECTMSG  | DISPLAY           |
| DIRS_GTOTSIZALL  | 0079828B | DIRECTMSG  | DISPLAY           |
| DIRS_GTOTSIZALL1 | 00798293 | DIRECTMSG  | DISPLAY           |
| DIRS_IDXAREA     | 007980D3 | DIRECTMSG  | DISPLAY           |
| DIRS_IDXPROLOG   | 007980CB | DIRECTMSG  | DISPLAY           |
| DIRS_JNLENABLED  | 007981FB | DIRECTMSG  | DISPLAY           |
| DIRS_MAXBKTSIZ   | 007980EB | DIRECTMSG  | DISPLAY           |
| DIRS_MAXRECSIZ   | 007981BB | DIRECTMSG  | DISPLAY           |
| DIRS_NEWDIRECT   | 00798013 | DIRECTMSG  | DISPLAY           |
| DIRS_NOAIJNL     | 00798223 | DIRECTMSG  | DISPLAY           |
| DIRS_NOATJNL     | 00798233 | DIRECTMSG  | DISPLAY           |
| DIRS_NOBIJNL     | 00798213 | DIRECTMSG  | DISPLAY           |
| DIRS_NOBRBAKDAT  | 0079803B | DIRECTMSG  | DISPLAY           |
| DIRS_NOBRCREDAT  | 00798023 | DIRECTMSG  | DISPLAY           |
| DIRS_NOBREXPDAT  | 00798033 | DIRECTMSG  | DISPLAY           |
| DIRS_NOBRFILEID  | 0079801B | DIRECTMSG  | DISPLAY           |
| DIRS_NOBRREVDAT  | 0079802B | DIRECTMSG  | DISPLAY           |
| DIRS_NOCARCTL    | 007981EB | DIRECTMSG  | DISPLAY           |
| DIRS_NOFILEACL   | 0079826B | DIRECTMSG  | DISPLAY           |
| DIRS_NOFILES     | 0079800B | DIRECTMSG  | DIRECTORY         |
| DIRS_NOFUBAKDAT  | 0079809B | DIRECTMSG  | DISPLAY           |
| DIRS_NOFUCREDAT  | 0079806B | DIRECTMSG  | DISPLAY           |
| DIRS_NOFUEXPDAT  | 0079808B | DIRECTMSG  | DISPLAY           |
| DIRS_NOFUFID     | 0079804B | DIRECTMSG  | DISPLAY           |
| DIRS_NOFUREVDAT  | 0079807B | DIRECTMSG  | DISPLAY           |
| DIRS_NOJNLNB     | 00798203 | DIRECTMSG  | DISPLAY           |
| DIRS_NORECATTR   | 007981CB | DIRECTMSG  | DISPLAY           |
| DIRS_NOSPAN      | 007981F3 | DIRECTMSG  | DISPLAY           |
| DIRS_NOVERLIMIT  | 0079810B | DIRECTMSG  | DISPLAY           |
| DIRS_OWNPROT     | 0079824B | DIRECTMSG  | DISPLAY           |
| DIRS_PRICARCTL   | 007981E3 | DIRECTMSG  | DISPLAY           |
| DIRS_RECATTR     | 007981C3 | DIRECTMSG  | DISPLAY           |
| DIRS_RECFMTFIX   | 0079817B | DIRECTMSG  | DISPLAY           |
| DIRS_RECFMTSTM   | 0079819B | DIRECTMSG  | DISPLAY           |



| Symbol                 | Value      | Defined By             | Referenced By ...          |
|------------------------|------------|------------------------|----------------------------|
| DIRS_RECMTSTMC         | 007981AB   | DIRECTMSG              | DISPLAY                    |
| DIRS_RECMTSTMLF        | 007981A3   | DIRECTMSG              | DISPLAY                    |
| DIRS_RECMTUDF          | 00798193   | DIRECTMSG              | DISPLAY                    |
| DIRS_RECMTUNK          | 007981B3   | DIRECTMSG              | DISPLAY                    |
| DIRS_RECMTVAR          | 00798183   | DIRECTMSG              | DISPLAY                    |
| DIRS_RECMTVFC          | 00798188   | DIRECTMSG              | DISPLAY                    |
| DIRS_RECFORMAT         | 00798173   | DIRECTMSG              | DISPLAY                    |
| DIRS_SYSPROT           | 00798243   | DIRECTMSG              | DISPLAY                    |
| DIRS_TOTNOSIZ          | 00798283   | DIRECTMSG              | DISPLAY                    |
| DIRS_TOTSIZ            | 00798278   | DIRECTMSG              | DISPLAY                    |
| DIRS_TOTSIZALL         | 00798273   | DIRECTMSG              | DISPLAY                    |
| DIRS_VERLIMIT          | 00798103   | DIRECTMSG              | DISPLAY                    |
| DIRS_WORPROT           | 00798258   | DIRECTMSG              | DISPLAY                    |
| DIRECTS_FACILITY       | 00000079   | DIRECTMSG              | DISPLAY                    |
| FMGSFILE_SCAN          | 00005690-R | LIB\$FILESCAN          |                            |
| FMGSMATCH_NAME         | 00007491-R | MATCHNAME              | MATCH                      |
| LIB\$GETFILENAME       | 00006744-R | LIB\$READ_OBJECT       | LIB\$IND_IMAGE             |
| LIB\$GL_FREVM_C        | 00000DB0-R | LIB\$VM                |                            |
| LIB\$GL_GETVM_C        | 00000DAC-R | LIB\$VM                |                            |
| LIB\$GL_IMAGELIST      | 00000D6C-R | LIB\$IND_IMAGE         |                            |
| LIB\$GL_OBJCTX         | 00000DB8-R | LIB\$READ_OBJECT       |                            |
| LIB\$GL_VMINUSE        | 00000DB4-R | LIB\$VM                |                            |
| LIB\$IDENT_KEY_TABLE   | 00007DA0-R | LIB\$PARSE             |                            |
| LIB\$IDENT_STATE_TABLE | 00007DE0-R | LIB\$PARSE             |                            |
| LIB\$READ_OBJECT       | 00006C9E-R | LIB\$READ_OBJECT       | LIB\$IND_IMAGE             |
| LIB\$REPORT_IO_ERROR   | 00006780-R | LIB\$READ_OBJECT       | LIB\$IND_IMAGE             |
| LIB\$SUIC_KEY_TABLE    | 00007DA0-R | LIB\$PARSE             |                            |
| LIB\$SUIC_STATE_TABLE  | 00007DA0-R | LIB\$PARSE             |                            |
| LIB\$ANALYZE_SDESC     | 0000742C-R | LIB\$ANALYZE_SDESC     |                            |
| LIB\$ANALYZE_SDESC_R2  | 00007441-R | LIB\$ANALYZE_SDESC     | LIB\$FILESCAN<br>LIB\$COPY |
| LIB\$CONFIRM_ACT       | 000016E7-R | COMMON_FILE_QUALIFIERS | LIB\$GET_INPUT             |
| LIB\$CVT_ETIME         | 0000521D-R | CVTTIME                |                            |
| LIB\$CVT_DTB           | 00005485-R | LIB\$CVT_ATB           | DIRECTORY<br>MATCH         |
| LIB\$CVT_DTIME         | 00005248-R | CVTTIME                |                            |
| LIB\$CVT_HTB           | 00005493-R | LIB\$CVT_ATB           | LIB\$PARSE                 |
| LIB\$CVT_OTB           | 0000548C-R | LIB\$CVT_ATB           | LIB\$PARSE                 |
| LIB\$CVT_TIME          | 000050DC-R | CVTTIME                | COMMON_FILE_QUALIFIERS     |
| LIB\$FILE_SCAN         | 00005690-R | LIB\$FILESCAN          | DIRECTORY                  |
| LIB\$FILE_SCAN_END     | 00005C61-R | LIB\$FILESCAN          |                            |
| LIB\$IND_FILE          | 000058D4-R | LIB\$FILESCAN          |                            |
| LIB\$IND_FILE_END      | 00005CCE-R | LIB\$FILESCAN          |                            |
| LIB\$IND_IMAGE_SYMBOL  | 00005FE6-R | LIB\$IND_IMAGE         | DIRECTORY                  |
| LIB\$FREE_EF           | 0000620B-R | LIB\$EF                | LIB\$IND_IMAGE             |
| LIB\$FREE_VM           | 0000642A-R | LIB\$VM                | LIB\$IND_IMAGE             |
| LIB\$GET_COMMAND       | 0000752C-R | LIB\$GET_INPUT         | COMMON_FILE_QUALIFIERS     |
| LIB\$GET_EF            | 000061CC-R | LIB\$EF                | LIB\$IND_IMAGE             |
| LIB\$GET_INPUT         | 000074E8-R | LIB\$GET_INPUT         | LIB\$IND_IMAGE             |

| Symbol<br>-----      | Value<br>----- | Defined By<br>-----    | Referenced By ...<br>-----  |
|----------------------|----------------|------------------------|---|
| LIB\$GET_VM          | 000062A0-R     | LIB\$VM                | CL\$INTERFACE<br>DIRECTORY<br>LIB\$\$READ_OBJECT<br>LIB\$FIND_IMAGE<br>STR\$ALLOC<br>STR\$GET_FREE<br>LIB\$FIND_IMAGE<br>LIB\$FIND_IMAGE<br>LIB\$FIND_IMAGE<br>COMMON_FILE_QUALIFIERS<br>DISPLAY<br>DIRECTORY<br>CVTTIME<br>LIB\$FILESCAN<br>LIB\$GET_INPUT<br>LIB\$FIND_IMAGE  |
| LIB\$INSERT_TREE     | 00006647-R     | LIB\$BINARY_TREE       |   |
| LIB\$LOOKUP_TREE     | 0000668D-R     | LIB\$BINARY_TREE       |   |
| LIB\$M_LNK_TMOD      | 0J000001       | LIB\$\$READ_OBJECT     |   |
| LIB\$QUAL_FILE_END   | 00001AF5-R     | COMMON_FILE_QUALIFIERS |   |
| LIB\$QUAL_FILE_MATCH | 0000188C-R     | COMMON_FILE_QUALIFIERS |   |
| LIB\$QUAL_FILE_PARSE | 0000142C-R     | COMMON_FILE_QUALIFIERS |   |
| LIB\$RESERVE_EF      | 00006254-R     | LIB\$EF                |   |
| LIB\$SCOPY_DXDX      | 0000707B-R     | LIB\$SCOPY             |   |
| LIB\$SCOPY_DXDX6     | 00007085-R     | LIB\$SCOPY             |   |
| LIB\$SCOPY_R_DX      | 000070B9-R     | LIB\$SCOPY             |   |
| LIB\$SCOPY_R_DX6     | 000070C7-R     | LIB\$SCOPY             |   |
| LIB\$SFREET_DD       | 00006FC0-R     | LIB\$SCOPY             |   |
| LIB\$SFREET1_DD6     | 00006FCA-R     | LIB\$SCOPY             |   |
| LIB\$SFREET1_L       | 0000703A-R     | LIB\$SCOPY             |   |
| LIB\$SFREET1_DD6     | 00007048-R     | LIB\$SCOPY             |   |
| LIB\$SGET1_DD        | 00006E58-R     | LIB\$SCOPY             |   |
| LIB\$SGET1_DD_R6     | 00006E66-R     | LIB\$SCOPY             |   |
| LIB\$SIGNAL          | 00007356-R     | LIB\$SIGNAL            | COMMON_FILE_QUALIFIERS<br>DISPLAY<br>LIB\$FIND_IMAGE<br>COMMON_FILE_QUALIFIERS<br>STR\$ANALYZE_SDESC<br>STR\$GET_FREE<br>COMMON_FILE_QUALIFIERS<br>LIB\$VM<br>LIB\$VM<br>LIB\$\$READ_OBJECT<br>LIB\$EF<br>LIB\$EF<br>LIB\$EF<br>LIB\$\$READ_OBJECT<br>LIB\$\$READ_OBJECT<br>LIB\$\$READ_OBJECT<br>LIB\$GET_INPUT<br>LIB\$VM |
| LIB\$SIG_TO_RET      | 0000775C-R     | LIB\$SIG_TO_RET        |   |
| LIB\$STOP            | 00007350-R     | LIB\$SIGNAL            |   |
| LIB\$TPARSE          | 000077A4-R     | LIB\$TPARSE            |   |
| LIB\$TRAVERSE_TREE   | 00006719-R     | LIB\$BINARY_TREE       |   |
| LIB\$_AMBKEY         | 0015823C       | LIB\$MSGDEF            |   |
| LIB\$_AMBSYND        | 00158374       | LIB\$MSGDEF            |   |
| LIB\$_ATTCONSTO      | 0015827C       | LIB\$MSGDEF            |   |
| LIB\$_ATTREQREF      | 00158394       | LIB\$MSGDEF            |   |
| LIB\$_BADBLOADR      | 00158264       | LIB\$MSGDEF            |   |
| LIB\$_BADBLOSIZ      | 0015826C       | LIB\$MSGDEF            |   |
| LIB\$_BADCCC         | 0015C000       | LIB\$MSGDEF            |   |
| LIB\$_BADSTA         | 00158204       | LIB\$MSGDEF            |   |
| LIB\$_BADTAGVAL      | 00158384       | LIB\$MSGDEF            |   |
| LIB\$_DECOVF         | 0015833C       | LIB\$MSGDEF            |   |
| LIB\$_DESSTROVF      | 0015832C       | LIB\$MSGDEF            |   |
| LIB\$_EF_ALRFRE      | 0015829C       | LIB\$MSGDEF            |   |
| LIB\$_EF_ALRRES      | 001582A4       | LIB\$MSGDEF            |   |
| LIB\$_EF_RESSYS      | 001582AC       | LIB\$MSGDEF            |   |
| LIB\$_EOMERROR       | 0015C008       | LIB\$MSGDEF            |   |
| LIB\$_EOMFATAL       | 0015C010       | LIB\$MSGDEF            |   |
| LIB\$_EOMWARN        | 0015C018       | LIB\$MSGDEF            |   |
| LIB\$_ERRROUCAL      | 00158029       | LIB\$MSGDEF            |   |
| LIB\$_FACILITY       | 00000015       | LIB\$MSGDEF            |   |
| LIB\$_FATERRLIB      | 0015820C       | LIB\$MSGDEF            |   |



| Symbol          | Value    | Defined By  | Referenced By ...              |
|-----------------|----------|-------------|--------------------------------|
| LIB\$_FILFAMAT  | 00159008 | LIB\$MSGDEF | COMMON_FILE_QUALIFIERS DISPLAY |
| LIB\$_FLTQVF    | 00158344 | LIB\$MSGDEF |                                |
| LIB\$_FLTUND    | 0015834C | LIB\$MSGDEF |                                |
| LIB\$_GSDTYP    | 0015C020 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_ILLFMLCNT | 0015C028 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_ILLMODNAM | 0015C030 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_ILLPSCLN  | 0015C038 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_ILLRECLN  | 0015C040 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_ILLRECLN2 | 0015C048 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_ILLRECTY2 | 0015C058 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_ILLRECTYP | 0015C050 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_ILLSYMLN  | 0015C060 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_INPSTRTRU | 0015821C | LIB\$MSGDEF | LIB\$GET_INPUT                 |
| LIB\$_INSCLMEM  | 0015836C | LIB\$MSGDEF |                                |
| LIB\$_INSEF     | 00158294 | LIB\$MSGDEF | LIBSEF                         |
| LIB\$_INSLUN    | 001582B4 | LIB\$MSGDEF |                                |
| LIB\$_INSVIRMEM | 00158214 | LIB\$MSGDEF | LIB\$BINARY_TREE LIB\$COPY     |
| LIB\$_INTLOGERR | 0015822C | LIB\$MSGDEF | LIB\$VM                        |
| LIB\$_INTQVF    | 00158334 | LIB\$MSGDEF | COMMON_FILE_QUALIFIERS         |
| LIB\$_INVARG    | 00158234 | LIB\$MSGDEF | COMMON_FILE_QUALIFIERS         |
| LIB\$_INVCHA    | 001582E4 | LIB\$MSGDEF |                                |
| LIB\$_INVCLADSC | 00158314 | LIB\$MSGDEF |                                |
| LIB\$_INVCLADTY | 0015831C | LIB\$MSGDEF |                                |
| LIB\$_INVCVT    | 00158304 | LIB\$MSGDEF |                                |
| LIB\$_INVDTYDSC | 0015830C | LIB\$MSGDEF |                                |
| LIB\$_INVFILSPE | 0015839C | LIB\$MSGDEF |                                |
| LIB\$_INVNBDS   | 00158324 | LIB\$MSGDEF |                                |
| LIB\$_INVOPEZON | 001583BC | LIB\$MSGDEF |                                |
| LIB\$_INVSCRPOS | 001582D4 | LIB\$MSGDEF |                                |
| LIB\$_INVSTRDES | 00158224 | LIB\$MSGDEF | LIB\$ANALYZE_SDESC LIB\$COPY   |
| LIB\$_INVSYMNAM | 0015838C | LIB\$MSGDEF |                                |
| LIB\$_INVTYP    | 0015828C | LIB\$MSGDEF | LIB\$PARSE                     |
| LIB\$_INXAB     | 001583A4 | LIB\$MSGDEF | COMMON_FILE_QUALIFIERS         |
| LIB\$_KEYALRINS | 00158021 | LIB\$MSGDEF | LIB\$BINARY_TREE               |
| LIB\$_KEYNOTFOU | 001582FC | LIB\$MSGDEF | LIB\$BINARY_TREE               |
| LIB\$_LUNALRFRE | 001582BC | LIB\$MSGDEF |                                |
| LIB\$_LUNRESSYS | 001582C4 | LIB\$MSGDEF |                                |
| LIB\$_NEGANS    | 00159010 | LIB\$MSGDEF | COMMON_FILE_QUALIFIERS         |
| LIB\$_NOCLI     | 0015837C | LIB\$MSGDEF |                                |
| LIB\$_NOEOM     | 0015C068 | LIB\$MSGDEF | LIB\$\$READ_OBJECT             |
| LIB\$_NORMAL    | 00158001 | LIB\$MSGDEF | LIB\$BINARY_TREE               |
| LIB\$_NOSUCHSYM | 00158364 | LIB\$MSGDEF |                                |
| LIB\$_NOTFOU    | 00158274 | LIB\$MSGDEF |                                |
| LIB\$_NO STRACT | 001583AC | LIB\$MSGDEF |                                |
| LIB\$_ONEENTQUE | 00158019 | LIB\$MSGDEF |                                |
| LIB\$_OUTSTRTRU | 00159000 | LIB\$MSGDEF |                                |
| LIB\$_PAGLIMEXC | 001583C4 | LIB\$MSGDEF |                                |
| LIB\$_PUSSTAQVE | 0015824C | LIB\$MSGDEF |                                |
| LIB\$_QUEWASEMP | 001582EC | LIB\$MSGDEF |                                |
| LIB\$_QUICONACT | 00159020 | LIB\$MSGDEF | COMMON_FILE_QUALIFIERS         |
| LIB\$_QUIPRO    | 00159018 | LIB\$MSGDEF | COMMON_FILE_QUALIFIERS         |

| Symbol                | Value      | Defined By         | Referenced By ...   |
|-----------------------|------------|--------------------|---|
| LIB\$_RECTOOSML       | 0015C070   | LIB\$MSGDEF        | LIB\$READ_OBJECT  |
| LIB\$_RESTART         | 00158031   | LIB\$MSGDEF        |   |
| LIB\$_ROPRAND         | 00158354   | LIB\$MSGDEF        |   |
| LIB\$_SCRBUFOVF       | 001582CC   | LIB\$MSGDEF        |   |
| LIB\$_SECINTFAI       | 001582DC   | LIB\$MSGDEF        |   |
| LIB\$_SEQUENCE        | 0015C078   | LIB\$MSGDEF        | LIB\$READ_OBJECT  |
| LIB\$_SEQUENCE2       | 0015C080   | LIB\$MSGDEF        | LIB\$READ_OBJECT  |
| LIB\$_SIGNO_ARG       | 0015825C   | LIB\$MSGDEF        |   |
| LIB\$_STRIS_INT       | 001582F4   | LIB\$MSGDEF        |   |
| LIB\$_STRLVC          | 0015C088   | LIB\$MSGDEF        | LIB\$READ_OBJECT  |
| LIB\$_STRTRU          | 00158011   | LIB\$MSGDEF        | LIB\$COPY   |
| LIB\$_SYNTAXERR       | 00158284   | LIB\$MSGDEF        | LIB\$PARSE  |
| LIB\$_UNECLIERR       | 00158384   | LIB\$MSGDEF        |   |
| LIB\$_UNRKEY          | 00158244   | LIB\$MSGDEF        |   |
| LIB\$_USEFLORES       | 00158254   | LIB\$MSGDEF        |   |
| LIB\$_WRONUMARG       | 0015835C   | LIB\$MSGDEF        |   |
| MATCH                 | 00001B59-R | MATCH              | COMMON_FILE_QUALIFIERS  |
| MATCH_DIRECTORY       | 00001C3C-R | MATCH              |   |
| MATCH_FILENAME        | 00001BCB-R | MATCH              |   |
| STR\$ALOC_SHORT       | 00007EA9-R | STR\$ALLOC         | LIB\$COPY<br>STR\$GET_FREE<br>LIB\$COPY<br>STR\$GET_FREE<br>LIB\$COPY<br>STR\$GET_FREE<br>LIB\$COPY<br>STR\$GET_FREE<br>CL\$INTERFACE<br>STR\$COPY<br>CL\$INTERFACE |
| STR\$INIT             | 00007E58-R | STR\$ALLOC         | STR\$COPY<br>STR\$COPY  |
| STR\$MOVQ_R1          | 00007F50-R | STR\$MOVQ          | STR\$COPY   |
| STR\$Q_SHORT_Q        | 00000DCC-R | STR\$ALLOC         | STR\$COPY<br>STR\$COPY  |
| STR\$V_INIT           | 00000DCB-R | STR\$ALLOC         | STR\$COPY<br>STR\$COPY  |
| STR\$ANALYZE_SDESC    | 000084DC-R | STR\$ANALYZE_SDESC | STR\$UPCASE   |
| STR\$ANALYZE_SDESC_R1 | 000084F1-R | STR\$ANALYZE_SDESC |   |
| STR\$COPY_DX          | 00008540-R | STR\$COPY          |   |
| STR\$COPY_DX_R8       | 0000855C-R | STR\$COPY          |   |
| STR\$COPY_R           | 0000854A-R | STR\$COPY          |   |
| STR\$COPY_R_R8        | 000085A8-R | STR\$COPY          | STR\$UPCASE   |
| STR\$FREE_DX          | 00008261-R | STR\$GET_FREE      | LIB\$IND_IMAGE  |
| STR\$FREE1_DX_R4      | 000082E9-R | STR\$GET_FREE      |   |
| STR\$GET1_DX          | 00007F54-R | STR\$GET_FREE      |   |
| STR\$GET1_DX_R4       | 000080DD-R | STR\$GET_FREE      |   |
| STR\$UPCASE           | 00008470-R | STR\$UPCASE        | COMMON_FILE_QUALIFIERS<br>LIB\$IND_IMAGE  |
| STR\$DIVBY_ZER        | 0024804C   | STR\$MSGDEF        |   |
| STR\$FACILITY         | 00000024   | STR\$MSGDEF        |   |
| STR\$FATINTERR        | 00248044   | STR\$MSGDEF        | LIB\$COPY<br>STR\$GET_FREE<br>STR\$ANALYZE_SDESC<br>STR\$GET_FREE   |
| STR\$_ILLSTRCLA       | 00248054   | STR\$MSGDEF        |   |
| STR\$_ILLSTRPOS       | 00248409   | STR\$MSGDEF        |   |
| STR\$_ILLSTRSPE       | 00248411   | STR\$MSGDEF        |   |
| STR\$_INSVIRMEM       | 0024806C   | STR\$MSGDEF        | LIB\$COPY<br>STR\$COPY  |
| STR\$_MATCH           | 00248419   | STR\$MSGDEF        |   |
| STR\$_NEGSTRLEN       | 00248401   | STR\$MSGDEF        |   |
| STR\$_NOMATCH         | 0024820B   | STR\$MSGDEF        |   |



| Symbol         | Value      | Defined By    | Referenced By ...                             |
|----------------|------------|---------------|---|
| STR\$NORMAL    | 00000001   | STR\$MSGDEF   | LIB\$SCOPY<br>STR\$COPY<br>STR\$UPCASE        |
| STR\$STRIS_INT | 0024805C   | STR\$MSGDEF   |   |
| STR\$STRTOOLON | 00248074   | STR\$MSGDEF   |   |
| STR\$TRU       | 00248200   | STR\$MSGDEF   | STR\$COPY                                     |
| STR\$WRONUMARG | 00248064   | STR\$MSGDEF   |   |
| SY\$ASCTIM     | 7FFED48    | SY\$P1_VECTOR | CVTTIME                                       |
| SY\$ASCTOID    | 7FFED480   | SY\$P1_VECTOR | LIB\$TPARSE                                   |
| SY\$ASSIGN     | 7FFED450   | SY\$P1_VECTOR | DISPLAY                                       |
| SY\$BINTIM     | 7FFED458   | SY\$P1_VECTOR | CVTTIME                                       |
| SY\$CLI        | 7FFED418   | SY\$P1_VECTOR | CL\$INTERFACE                                 |
| SY\$CLOSE      | 7FFED1B8   | SY\$P1_VECTOR | COMMON FILE_QUALIFIERS                        |
| SY\$CONNECT    | 7FFED1C0   | SY\$P1_VECTOR | DISPLAY<br>LIB\$FIND_IMAGE<br>LIB\$FIND_IMAGE |
| SY\$CREATE     | 7FFED1C8   | SY\$P1_VECTOR | DIRECTORY<br>LIB\$GET_INPUT                   |
| SY\$DASSGN     | 7FFED4E0   | SY\$P1_VECTOR | DIRECTORY                                     |
| SY\$EXPREG     | 7FFEDF48   | SY\$P1_VECTOR | DISPLAY                                       |
| SY\$FAOL       | 7FFEDF58   | SY\$P1_VECTOR | LIB\$VM                                       |
| SY\$FILESCAN   | 7FFED278   | SY\$P1_VECTOR | COMMON FILE_QUALIFIERS                        |
| SY\$FIND       | 7FFED170   | SY\$P1_VECTOR | DISPLAY                                       |
| SY\$FLUSH      | 7FFED1F0   | SY\$P1_VECTOR | DIRECTORY                                     |
| SY\$FORMAT_ACL | 00002933-R | DIRECTORY     | LIB\$TPARSE                                   |
| SY\$GET        | 7FFED180   | SY\$P1_VECTOR | DISPLAY                                       |
| SY\$GETDVI     | 7FFED410   | SY\$P1_VECTOR | LIB\$FIND_IMAGE                               |
| SY\$GETJPI     | 7FFED0D8   | SY\$P1_VECTOR | DIRECTORY                                     |
| SY\$GETMSG     | 7FFED0B0   | SY\$P1_VECTOR | LIB\$GET_INPUT                                |
| SY\$GETTIM     | 7FFEDF78   | SY\$P1_VECTOR | COMMON FILE_QUALIFIERS                        |
| SY\$IMACT      | 7FFEDF90   | SY\$P1_VECTOR | DIRECTORY                                     |
| SY\$IMGFI      | 7FFED400   | SY\$P1_VECTOR | CVTTIME                                       |
| SY\$MODIFY     | 7FFED1F8   | SY\$P1_VECTOR | LIB\$FIND_IMAGE                               |
| SY\$OPEN       | 7FFED208   | SY\$P1_VECTOR | LIB\$FIND_IMAGE                               |
| SY\$PARSE      | 7FFED230   | SY\$P1_VECTOR | LIB\$FIND_IMAGE                               |
| SY\$PUT        | 7FFED188   | SY\$P1_VECTOR | COMMON FILE_QUALIFIERS                        |
| SY\$QIDW       | 7FFED400   | SY\$P1_VECTOR | LIB\$FIND_IMAGE                               |
| SY\$SEARCH     | 7FFED248   | SY\$P1_VECTOR | COMMON FILE_QUALIFIERS                        |
| SY\$SETAST     | 7FFEDFF8   | SY\$P1_VECTOR | DIRECTORY                                     |
| SY\$SRCHANDLER | 7FFED118   | SY\$P1_VECTOR | DISPLAY                                       |
| SY\$UNWIND     | 7FFED070   | SY\$P1_VECTOR | LIB\$VM                                       |
| SY\$WAIT       | 7FFED1A8   | SY\$P1_VECTOR | LIB\$SIGNAL                                   |
|                |            |               | LIB\$SIG_TO_RET                               |
|                |            |               | DIRECTORY                                     |
|                |            |               | LIB\$GET_INPUT                                |
|                |            |               | DISPLAY                                       |
|                |            |               | STR\$ALLOC                                    |
|                |            |               | STR\$GET_FREE                                 |

+-----+  
! Symbols By Value !  
+-----+

Value

Symbols...

| Value    |                          | Symbols...       |
|----------|--------------------------|------------------|
| 00000001 | LIBSM_LNK_1MOD           |                  |
| 00000015 | LIBS_FACILITY            |                  |
| 00000024 | STRS_FACILITY            |                  |
| 00000079 | DIRECTS_FACILITY         |                  |
| 0000006C | R-LIBSSGL_IMAGELIST      |                  |
| 000000AC | R-LIBSSGL_GETVM_C        |                  |
| 000000B0 | R-LIBSSGL_FREVM_C        |                  |
| 000000B4 | R-LIBSSGL_VMINUSE        |                  |
| 000000B8 | R-LIBSSGL_OBJCTX         |                  |
| 000000C8 | R-STRSSV_INIT            |                  |
| 000000CC | R-STRSSQ_SHORT_Q         |                  |
| 0000142C | R-LIBSQUAL_FILE_PARSE    |                  |
| 000016E7 | R-LIBSCONFIRM_ACT        |                  |
| 0000188C | R-LIBSQUAL_FILE_MATCH    |                  |
| 00001AF5 | R-LIBSQUAL_FILE_END      |                  |
| 00001B59 | R-MATCH                  |                  |
| 00001BCB | R-MATCH_FILENAME         |                  |
| 00001C3C | R-MATCH_DIRECTORY        |                  |
| 000027CF | R-DIR\$INPUT_ERROR       |                  |
| 000027F0 | R-DIR\$FILE_ERROR        |                  |
| 0000288F | R-DIR\$OUTPUT            |                  |
| 00002933 | R-SYSSFORMAT_ACL         |                  |
| 0000293C | R-DIR\$GET_INFO          |                  |
| 000042FA | R-DIR\$TOTAL             |                  |
| 0000439D | R-DIR\$GRAND_TOTAL       |                  |
| 00004469 | R-DIR\$APPEND            |                  |
| 000044DC | R-CLISPRESENT            |                  |
| 0000451F | R-CLISGET_VALUE          |                  |
| 000045AB | R-CLISDCL_PARSE          |                  |
| 0000465C | R-CLISDISPATCH           |                  |
| 0000469D | R-CLISNEXT_QUAL          |                  |
| 000050DC | R-LIBSCVT_TIME           |                  |
| 0000521D | R-LIBSCVT_ETIME          |                  |
| 00005248 | R-LIBSCVT_DTIME          |                  |
| 00005485 | R-LIBSCVT_DTB            |                  |
| 0000548C | R-LIBSCVT_OTB            |                  |
| 00005493 | R-LIBSCVT_HTB            |                  |
| 00005690 | R-FMGSFILE_SCAN          | R-LIB\$FILE_SCAN |
| 00005804 | R-LIB\$FIND_FILE         |                  |
| 00005C61 | R-LIB\$FILE_SCAN_END     |                  |
| 00005CCE | R-LIB\$FIND_FILE_END     |                  |
| 00005FE6 | R-LIB\$FIND_IMAGE_SYMBOL |                  |
| 000061CC | R-LIB\$GET_EF            |                  |
| 0000620B | R-LIB\$FREE_EF           |                  |
| 00006254 | R-LIB\$RESERVE_EF        |                  |
| 000062A0 | R-LIB\$GET_VM            |                  |
| 0000642A | R-LIB\$FREE_VM           |                  |
| 00006647 | R-LIB\$INSERT_TREE       |                  |
| 0000668D | R-LIB\$LOOKUP_TREE       |                  |



| Value    | Symbols...               |
|----------|--------------------------|
| -----    | -----                    |
| 00006719 | R-LIB\$TRAVERSE TREE     |
| 00006744 | R-LIB\$GETFILENAME       |
| 00006780 | R-LIB\$REPORT IO ERROR   |
| 00006C9E | R-LIB\$READ OBJECT       |
| 00006E58 | R-LIB\$GET1_DD           |
| 00006E66 | R-LIB\$GET1_DD R6        |
| 00006FC0 | R-LIB\$FREE1_DD          |
| 00006FCA | R-LIB\$FREE1_DD6         |
| 0000703A | R-LIB\$FREE1_DD          |
| 00007048 | R-LIB\$FREE1_DD6         |
| 00007078 | R-LIB\$COPY_DXDX         |
| 00007085 | R-LIB\$COPY_DXDX6        |
| 00007089 | R-LIB\$COPY_R_DX         |
| 000070C7 | R-LIB\$COPY_R_DX6        |
| 00007350 | R-LIB\$STOP              |
| 00007356 | R-LIB\$SIGNAL            |
| 0000742C | R-LIB\$ANALYZE_SDESC     |
| 00007441 | R-LIB\$ANALYZE_SDESC_R2  |
| 00007491 | R-FAG\$MATCH NAME        |
| 000074E8 | R-LIB\$GET_INPUT         |
| 0000752C | R-LIB\$GET_COMMAND       |
| 0000775C | R-LIB\$SIG_TO_RET        |
| 000077A4 | R-LIB\$PARSE             |
| 00007DA0 | R-CQ UIC KEYS            |
| 00007DE0 | R-LIB\$IDENT_STATE_TABLE |
| 00007E4C | R-CQ UIC STATES          |
| 00007E58 | R-STR\$INIT              |
| 00007EA9 | R-STR\$ALLOC_SHORT       |
| 00007F50 | R-STR\$MOVE_R1           |
| 00007F54 | R-STR\$GET1_DX           |
| 000080DD | R-STR\$GET1_DX R4        |
| 00008261 | R-STR\$FREE1_DX          |
| 000082E9 | R-STR\$FREE1_DX_R4       |
| 00008470 | R-STR\$UPCASE            |
| 000084DC | R-STR\$ANALYZE_SDESC     |
| 000084F1 | R-STR\$ANALYZE_SDESC_R1  |
| 00008540 | R-STR\$COPY_DX           |
| 0000854A | R-STR\$COPY_R            |
| 0000855C | R-STR\$COPY_DX R8        |
| 000085A8 | R-STR\$COPY_R R8         |
| 000312E4 | CLIS_CONF00AL            |
| 0003132C | CLIS_INV00AVAL           |
| 00031344 | CLIS_QUALMISS            |
| 0003135C | CLIS_NOSUCHID            |
| 00038080 | CLIS_NOCOMD              |
| 000381F0 | CLIS_ABSENT              |
| 000381F8 | CLIS_NEGATED             |
| 00038230 | CLIS_LOCNEG              |
| 0003FD19 | CLIS_PRESENT             |
| 0003FD21 | CLIS_DEFAULTED           |
| 0003FD29 | CLIS_CONCAT              |
| 0003FD31 | CLIS_LOCPRES             |

R-LIB\$IDENT\_KEY\_TABLE    R-LIB\$UIC\_KEY\_TABLE    R-LIB\$UIC\_STATE\_TABLE

| Value    | Symbols...     |
|----------|----------------|
| -----    | -----          |
| 0003FD39 | CLIB_COMMA     |
| 00158001 | LIBS_NORMAL    |
| 00158011 | LIBS_STRTRU    |
| 00158019 | LIBS_ONEENTQUE |
| 00158021 | LIBS_KEYALRINS |
| 00158029 | LIBS_ERRROUCAL |
| 00158031 | LIBS_RESTART   |
| 00158204 | LIBS_BADSTA    |
| 0015820C | LIBS_FATERRLIB |
| 00158214 | LIBS_INSVIRMEM |
| 0015821C | LIBS_INPSTRTRU |
| 00158224 | LIBS_INVSTRDES |
| 0015822C | LIBS_INTLOGERR |
| 00158234 | LIBS_INVARG    |
| 0015823C | LIBS_AMBKEY    |
| 00158244 | LIBS_UNRKEY    |
| 0015824C | LIBS_PUSSTAOVE |
| 00158254 | LIBS_USEFLORES |
| 0015825C | LIBS_SIGNO_ARG |
| 00158264 | LIBS_BADBL0ADR |
| 0015826C | LIBS_BADBLOSIZ |
| 00158274 | LIBS_NOTFOU    |
| 0015827C | LIBS_ATTCONSTO |
| 00158284 | LIBS_SYNTAXERR |
| 0015828C | LIBS_INVTYPE   |
| 00158294 | LIBS_INSEF     |
| 0015829C | LIBS_EF_ALRFRE |
| 001582A4 | LIBS_EF_ALRRES |
| 001582AC | LIBS_EF_RESSYS |
| 001582B4 | LIBS_INSLUN    |
| 001582BC | LIBS_LUNALRFRE |
| 001582C4 | LIBS_LUNRESSYS |
| 001582CC | LIBS_SCRBUFOVF |
| 001582D4 | LIBS_INVSCRPOS |
| 001582DC | LIBS_SECINTFAI |
| 001582E4 | LIBS_INVCHA    |
| 001582EC | LIBS_QUEWASEMP |
| 001582F4 | LIBS_STRIS_INT |
| 001582FC | LIBS_KEYNOTFOU |
| 00158304 | LIBS_INVCVT    |
| 0015830C | LIBS_INVDTYDSC |
| 00158314 | LIBS_INVCLADSC |
| 0015831C | LIBS_INVCLADTY |
| 00158324 | LIBS_INVNBDS   |
| 0015832C | LIBS_DESSTROVF |
| 00158334 | LIBS_INTOVF    |
| 0015833C | LIBS_DECOVF    |
| 00158344 | LIBS_FLTOVF    |
| 0015834C | LIBS_FLTUND    |
| 00158354 | LIBS_ROPRAND   |
| 0015835C | LIBS_WRONUMARG |
| 00158364 | LIBS_NOSUCHSYM |

| Value    | Symbols...      |
|----------|-----------------|
| -----    | -----           |
| 0015836C | LIBS_INSLINEM   |
| 00158374 | LIBS_AMBSYMDER  |
| 0015837C | LIBS_NOCLI      |
| 00158384 | LIBS_UNECLIERR  |
| 0015838C | LIBS_INVSYMNAM  |
| 00158394 | LIBS_ATTREQREF  |
| 0015839C | LIBS_INVFILSPE  |
| 001583A4 | LIBS_INVXAB     |
| 001583AC | LIBS_NO STRACT  |
| 001583B4 | LIBS_BADTAGVAL  |
| 001583BC | LIBS_INVOPEZON  |
| 001583C4 | LIBS_PAGLIMEXC  |
| 00159000 | LIBS_OUTSTRTRU  |
| 00159008 | LIBS_FILFAIMAT  |
| 00159010 | LIBS_NEGANS     |
| 00159018 | LIBS_QUIPRO     |
| 00159020 | LIBS_QUICONACT  |
| 0015C000 | LIBS_BADCCC     |
| 0015C008 | LIBS_EOMERROR   |
| 0015C010 | LIBS_EOMFATAL   |
| 0015C018 | LIBS_EOMWARN    |
| 0015C020 | LIBS_GSDTYP     |
| 0015C028 | LIBS_ILLFMLCNT  |
| 0015C030 | LIBS_ILLMODNAM  |
| 0015C038 | LIBS_ILLPSLEN   |
| 0015C040 | LIBS_ILLRECLN   |
| 0015C048 | LIBS_ILLRECLN2  |
| 0015C050 | LIBS_ILLRECTYP  |
| 0015C058 | LIBS_ILLRECTY2  |
| 0015C060 | LIBS_ILLSYMLN   |
| 0015C068 | LIBS_NOEOM      |
| 0015C070 | LIBS_RECTOOSML  |
| 0015C078 | LIBS_SEQUENCE   |
| 0015C080 | LIBS_SEQUENCE2  |
| 0015C088 | LIBS_STRLVL     |
| 00248044 | STRS_FATINTERR  |
| 0024804C | STRS_DIVBY_ZER  |
| 00248054 | STRS_ILLSTRCLA  |
| 0024805C | STRS_STRIS_INT  |
| 00248064 | STRS_WRONUMARG  |
| 0024806C | STRS_INSVIRMEM  |
| 00248074 | STRS_STRTOOLON  |
| 00248200 | STRS_TRU        |
| 00248208 | STRS_NOMATCH    |
| 00248401 | STRS_NEGSTRLEN  |
| 00248409 | STRS_ILLSTRPOS  |
| 00248411 | STRS_ILLSTRSPE  |
| 00248419 | STRS_MATCH      |
| 00798008 | DIRS_NOFILES    |
| 00798013 | DIRS_NEWDIRECT  |
| 00798018 | DIRS_NOBRFILEID |
| 00798023 | DIRS_NOBRCREDAT |



| Value    | Symbols...        |
|----------|-------------------|
| 00798028 | DIRS_NOBRREVDAT   |
| 00798033 | DIRS_NOBREXPDAT   |
| 00798038 | DIRS_NOBRBAKDAT   |
| 00798043 | DIRS_FULLFILEID   |
| 00798048 | DIRS_NOFUFILID    |
| 00798053 | DIRS_FULLSIZE     |
| 00798058 | DIRS_FULLOWNERID  |
| 00798063 | DIRS_FULLOWNERUIC |
| 00798068 | DIRS_NOFUCREDAT   |
| 00798073 | DIRS_FULLCREDAT   |
| 00798078 | DIRS_NOFUREVDAT   |
| 00798083 | DIRS_FULLREVDAT   |
| 00798088 | DIRS_NOFUEXPDAT   |
| 00798093 | DIRS_FULLEXPDAT   |
| 00798098 | DIRS_NOFUBAKDAT   |
| 007980A3 | DIRS_FULLBAKDAT   |
| 007980A8 | DIRS_FILEORG      |
| 007980B3 | DIRS_FILORGSEQ    |
| 007980B8 | DIRS_FILORGREL    |
| 007980C3 | DIRS_FILORGIDX    |
| 007980C8 | DIRS_IDXPROLOG    |
| 007980D3 | DIRS_IDXAREA      |
| 007980D8 | DIRS_FILORGUNK    |
| 007980E3 | DIRS_FILEATTR     |
| 007980E8 | DIRS_MAXBKTSIZ    |
| 007980F3 | DIRS_BUCKETSIZ    |
| 007980F8 | DIRS_GBLBUFCNT    |
| 00798103 | DIRS_VERLIMIT     |
| 00798108 | DIRS_NOVERLIMIT   |
| 00798113 | DIRS_FILATRCTG    |
| 00798118 | DIRS_FILATRCTB    |
| 00798123 | DIRS_FILATRLCK    |
| 00798128 | DIRS_FILATRNOBAK  |
| 00798133 | DIRS_FILATRWRBAK  |
| 00798138 | DIRS_FILATRRDCHK  |
| 00798143 | DIRS_FILATRWRCNK  |
| 00798148 | DIRS_FILATRBADACL |
| 00798153 | DIRS_FILATRDIR    |
| 00798158 | DIRS_FILATRBADBLK |
| 00798163 | DIRS_FILATRNOCHRG |
| 00798168 | DIRS_FILATRERASE  |
| 00798173 | DIRS_RECFORMAT    |
| 00798178 | DIRS_RECFMTFIX    |
| 00798183 | DIRS_RECFMTVAR    |
| 00798188 | DIRS_RECFMTVFC    |
| 00798193 | DIRS_RECFMTUDF    |
| 00798198 | DIRS_RECFMTSTM    |
| 007981A3 | DIRS_RECFMTSTMLF  |
| 007981A8 | DIRS_RECFMTSTMCR  |
| 007981B3 | DIRS_RECFMTUNK    |
| 007981B8 | DIRS_MAXRECSIZ    |
| 007981C3 | DIRS_RECATTR      |

| Value    | Symbols...       |
|----------|------------------|
| 007981CB | DIRS_NORECATTR   |
| 007981D3 | DIRS_CRCARCTL    |
| 007981DB | DIRS_FTNCARCTL   |
| 007981E3 | DIRS_PRICARCTL   |
| 007981EB | DIRS_NOCARCTL    |
| 007981F3 | DIRS_NOSPAN      |
| 007931FB | DIRS_JNLENABLED  |
| 00798203 | DIRS_NOJNLNB     |
| 0079820B | DIRS_BIJNLNAME   |
| 00798213 | DIRS_NOBIJNL     |
| 0079821B | DIRS_AIJNLNAME   |
| 00798223 | DIRS_NOAIJNL     |
| 0079822B | DIRS_ATJNLNAME   |
| 00798233 | DIRS_NOATJNL     |
| 0079823B | DIRS_FILEPROT    |
| 00798243 | DIRS_SYSPROT     |
| 0079824B | DIRS_OWNPROT     |
| 00798253 | DIRS_GRPProt     |
| 0079825B | DIRS_WORPROT     |
| 00798263 | DIRS_FILEACL     |
| 0079826B | DIRS_NOFILEACL   |
| 00798273 | DIRS_TOTSIZALL   |
| 0079827B | DIRS_TOTSIZ      |
| 00798283 | DIRS_TOTNOSIZ    |
| 0079828B | DIRS_GTOTSIZALL  |
| 00798293 | DIRS_GTOTSIZALL1 |
| 0079829B | DIRS_GTOTSIZ     |
| 007982A3 | DIRS_GTOTSIZ1    |
| 007982AB | DIRS_GTOTNOSIZ   |
| 007982B3 | DIRS_GTOTNOSIZ1  |
| 7FFEDE00 | SYSSQIOW         |
| 7FFEDE18 | SYSSCLI          |
| 7FFEDE48 | SYSSASCTIM       |
| 7FFEDE50 | SYSSASSIGN       |
| 7FFEDE58 | SYSSBINTIM       |
| 7FFEDEE0 | SYSSDASSGN       |
| 7FFEDF48 | SYSSXPREG        |
| 7FFEDF58 | SYSSFAOL         |
| 7FFEDF78 | SYSSGETTIM       |
| 7FFEDF90 | SYSSIMGACT       |
| 7FFEDFF8 | SYSSSETAST       |
| 7FFEE070 | SYSSUNWIND       |
| 7FFEE0B0 | SYSSGETMSG       |
| 7FFEE0D8 | SYSSGETJPI       |
| 7FFEE118 | SYSSSRCHANDLER   |
| 7FFEE170 | SYSSFIND         |
| 7FFEE180 | SYSSGET          |
| 7FFEE188 | SYSSPUT          |
| 7FFEE1A8 | SYSSWAIT         |
| 7FFEE1B8 | SYSSCLOSE        |
| 7FFEE1C0 | SYSSCONNECT      |
| 7FFEE1CB | SYSSCREATE       |

| Value    | Symbols...   |
|----------|--------------|
| 7FFEE1F0 | SYSSFLUSH    |
| 7FFEE1F8 | SYSSMODIFY   |
| 7FFEE208 | SYSSOPEN     |
| 7FFEE230 | SYSSPARSE    |
| 7FFEE248 | SYSSSEARCH   |
| 7FFEE278 | SYSSFILESCAN |
| 7FFEE400 | SYSSIMGFIX   |
| 7FFEE410 | SYSSGETDVI   |
| 7FFEE4B0 | SYSSASCTOID  |

Key for special characters above:

|   |               |
|---|---------------|
| * | - Undefined   |
| U | - Universal   |
| R | - Relocatable |
| X | - External    |

DI  
!  
SA  
SA  
SA  
SA  
SA  
!  
BU  
!  
MA  
  
!  
MA  
  
!  
MA  
  
!  
SS



```

+-----+
! Image Synopsis !
+-----+

```

Virtual memory allocated:

00000200 00009BFF 00009A00 (39424. bytes, 77. pages)

Stack size:

20. pages

Image header virtual block limits:

1.

1. ( 1. block)

Image binary virtual block limits:

2.

78. ( 77. blocks)

Image name and identification:

DIRECTORY V04-000

Number of files:

5.

Number of modules:

31.

Number of program sections:

22.

Number of global symbols:

324.

Number of cross references:

733.

Number of image sections:

5.

User transfer address:

00001E14

Image type:

EXECUTABLE.

Map format:

FULL WITH CROSS REFERENCE in file \_S255\$DUA28:[DIR.LIS]DIRECTORY.MAP;1

Estimated map length:

134. blocks

```

+-----+
! Link Run Statistics !
+-----+

```

## Performance Indicators

|  | Page Faults | CPU Time    | Elapsed Time |
|--|-------------|-------------|--------------|
| Command processing:                    | 136         | 00:00:00.45 | 00:00:02.29  |
| Pass 1:                                | 232         | 00:00:02.80 | 00:01:10.39  |
| Allocation/Relocation:                 | 38          | 00:00:00.18 | 00:00:00.84  |
| Pass 2:                                | 131         | 00:00:02.24 | 00:01:19.75  |
| Map data after object module synopsis: | 23          | 00:00:02.39 | 00:00:03.85  |
| Symbol table output:                   | 1           | 00:00:00.04 | 00:00:00.66  |
| Total run values:                      | 561         | 00:00:08.10 | 00:02:37.78  |

Using a working set limited to 1650 pages and 79 pages of data storage (excluding image)

Total number object records read (both passes): 1318  
 of which 662 were in libraries and 38 were DEBUG data records containing 3395 bytes

Number of modules extracted explicitly = 4  
 with 27 extracted to resolve undefined symbols

95 library searches were for symbols not in the library searched

A total of 0 global symbol table records was written

LINK/USERLIB=PROC/EXE=EXES:DIRECTORY/MAP=MAPS:DIRECTORY/FULL/CROSS/NOSYSSHR/NOTRACE LIBS:DIRECTORY/LIBRARY/INCLUDE=(DIRECTORY,DISPLA  
 Y,DIRECTMSG),RESOBJ\$:CLIUTL/INCLUDE=CVTTIME,RESOBJ\$:LIBRTL/LIBRARY,SYSSINPUT/OPTION

Options input

PSECT=\$PLIT\$,EXE



0103 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

DIFMSG  
LIS

MAIN  
LIS

DIR

DIRECTORY  
MAP

DIRECTORY  
LIS

DIRECTDEF  
REQ

OUTPUT  
LIS

DISPDEF  
SDI

DIRECTMSG  
LIS